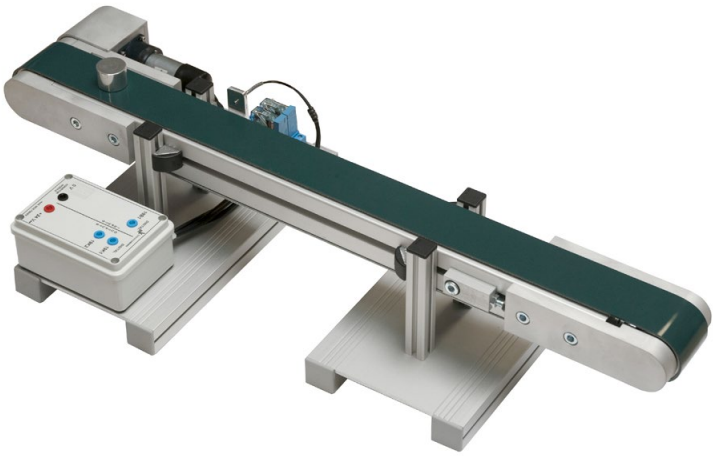
CONVEYOR MODULE
Mod. MCE-700/EV

Mod. MCE-700/EV transfers pieces along one axis, in the two directions. The conveyor is driven by a DC motor, controlled by direct/reverse-acting relays that operate the belt. A fiber optic sensor detects the pieces on the conveyor belt.

The module is assembled on a sectioned aluminium base, and it can be easily moved around the laboratory.

Mod. MCE-700/EV can be fully controlled using a PLC module or an Arduino microprocessor. Thanks to the PLC or Arduino programming software, a wide range of exercises regarding the automation of the module in a working cycle or in stand-alone mode can be developed.



TRAINING PROGRAM

- Fundamentals of electrical controls: the DC motor
- Operating a conveyor
- Operating a capacitive optical sensor
- PLC control
- Microprocessor control

TECHNICAL SPECIFICATIONS

Modular unit assembled on a sectioned aluminium structure. It includes an I/O interface box with Ø 2 mm terminals that, besides working as control board for the module, enables the students to carry out electrical measurements on its components.

The module can be operated using:

- No. 1 PLC training panel mod. PLC-V8/EV, or
- No. 1 Arduino training panel mod. MPC-18/EV

Power supply (24 Vcc) is provided by the PLC itself or using a MPC-18/EV module.

Sensors and actuators:

- No. 1 Capacitive sensor
- No. 1 24 Vdc motor (conveyor)

Module inputs and outputs:

- No. 1 Digital inputs
- No. 2 Digital outputs

Dimensions: 680 x 290 x 120 mm
Weight: approx. 11 kg

REQUIRED
UTILITIES (PROVIDED BY THE CUSTOMER)

- Compressed air supply: 5…6 bar

SUPPLIED WITH

THEORETICAL-EXPERIMENTAL HANDBOOK
Presentation of the equipment, experiments, technical specifications with electric and pneumatic diagrams, use and maintenance.